

Applicant: Zumbrunn et al.
Application No.: Unassigned
Filing Date: Herewith
Docket No.: 753-54 PCT/US
Page 3

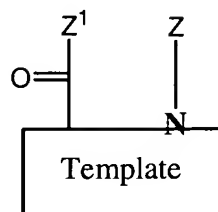
Amendments to the Claims:

This listing of claim will replace all prior versions, and listings of claims in the specification:

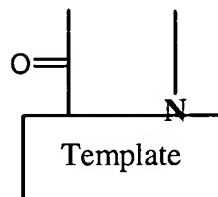
Listing of Claims:

Claims 1-39. (canceled)

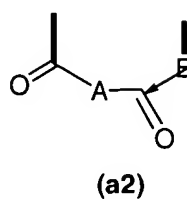
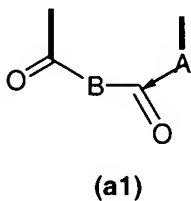
40. (new) Compounds of the general formula



wherein

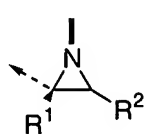


is a group of one of the formulae

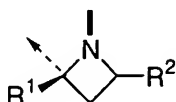




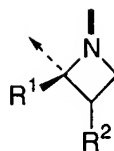
is a group of one of the formulae



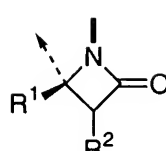
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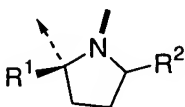
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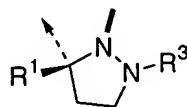
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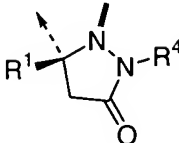
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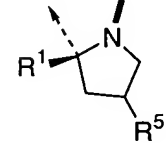
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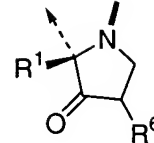
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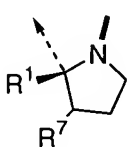
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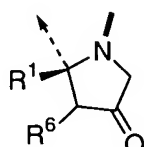
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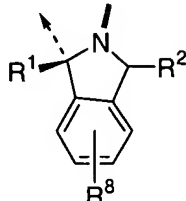
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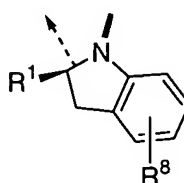
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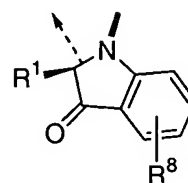
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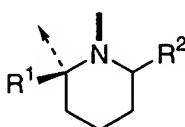
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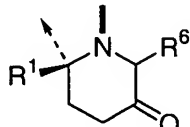
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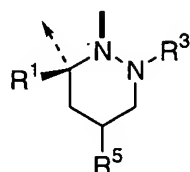
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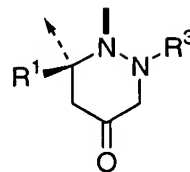
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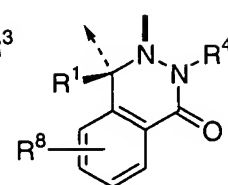
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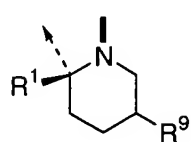
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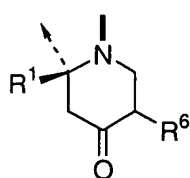
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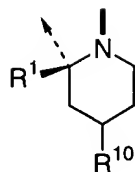
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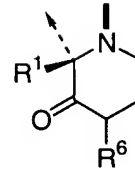
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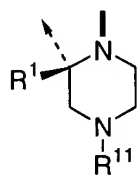
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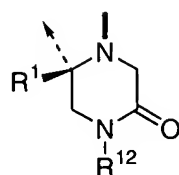
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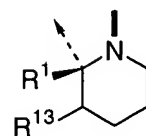
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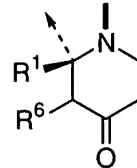
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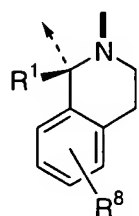
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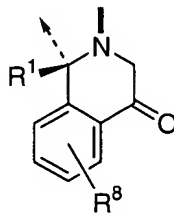
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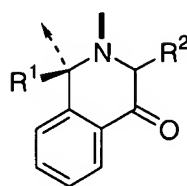
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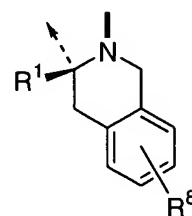
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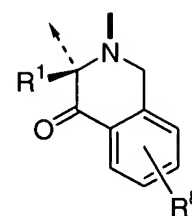
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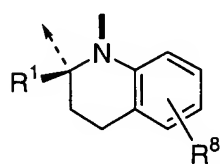
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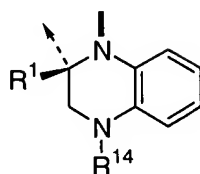
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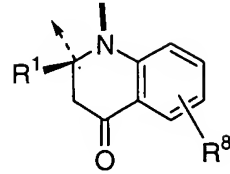
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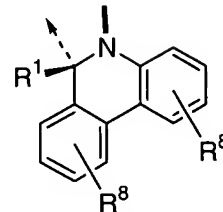
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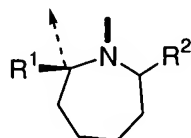
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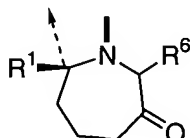
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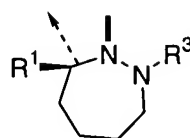
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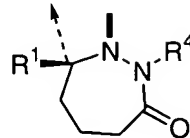
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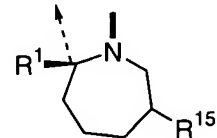
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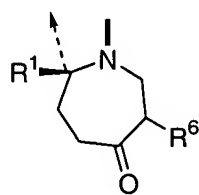
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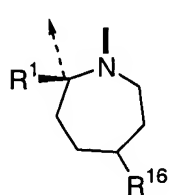
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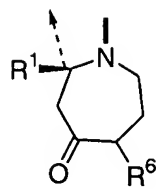
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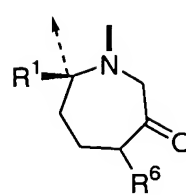
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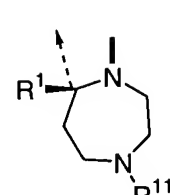
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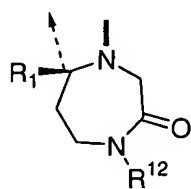
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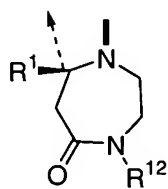
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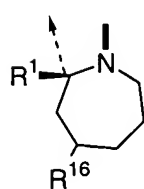
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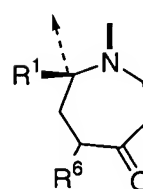
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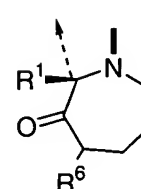
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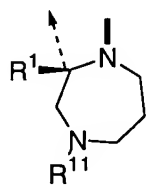
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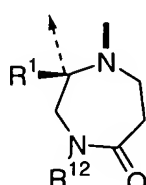
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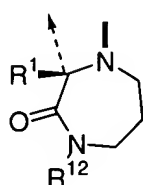
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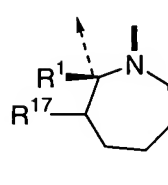
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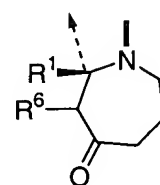
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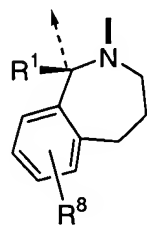
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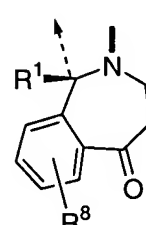
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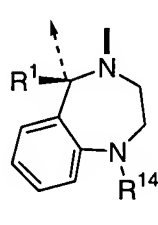
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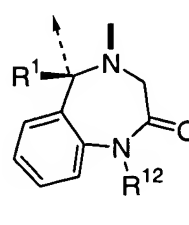
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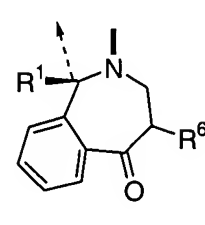
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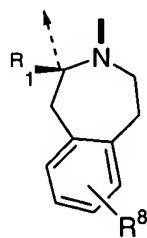
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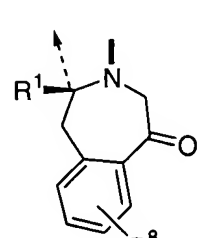
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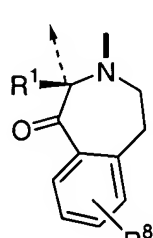
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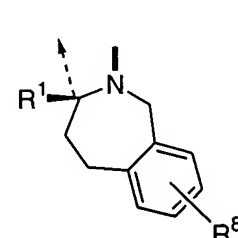
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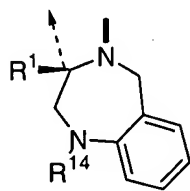
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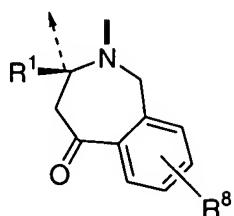
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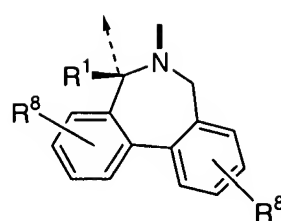
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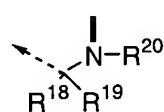
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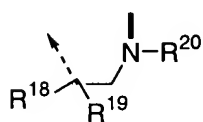
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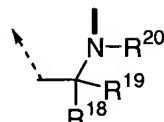
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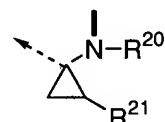
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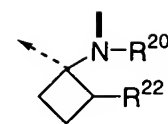
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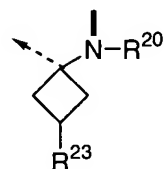
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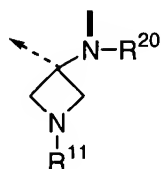
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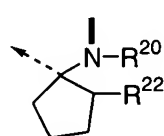
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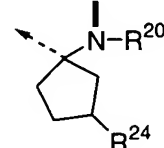
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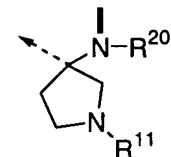
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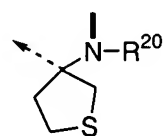
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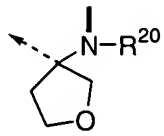
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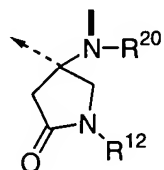
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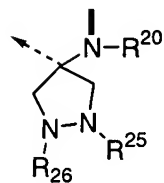
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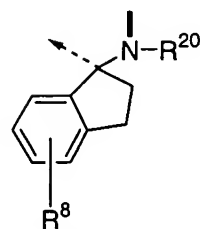
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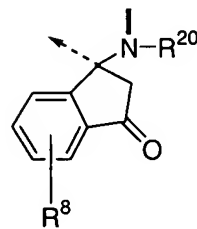
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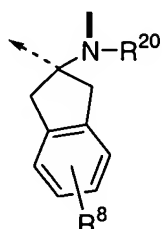
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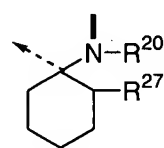
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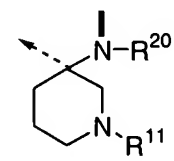
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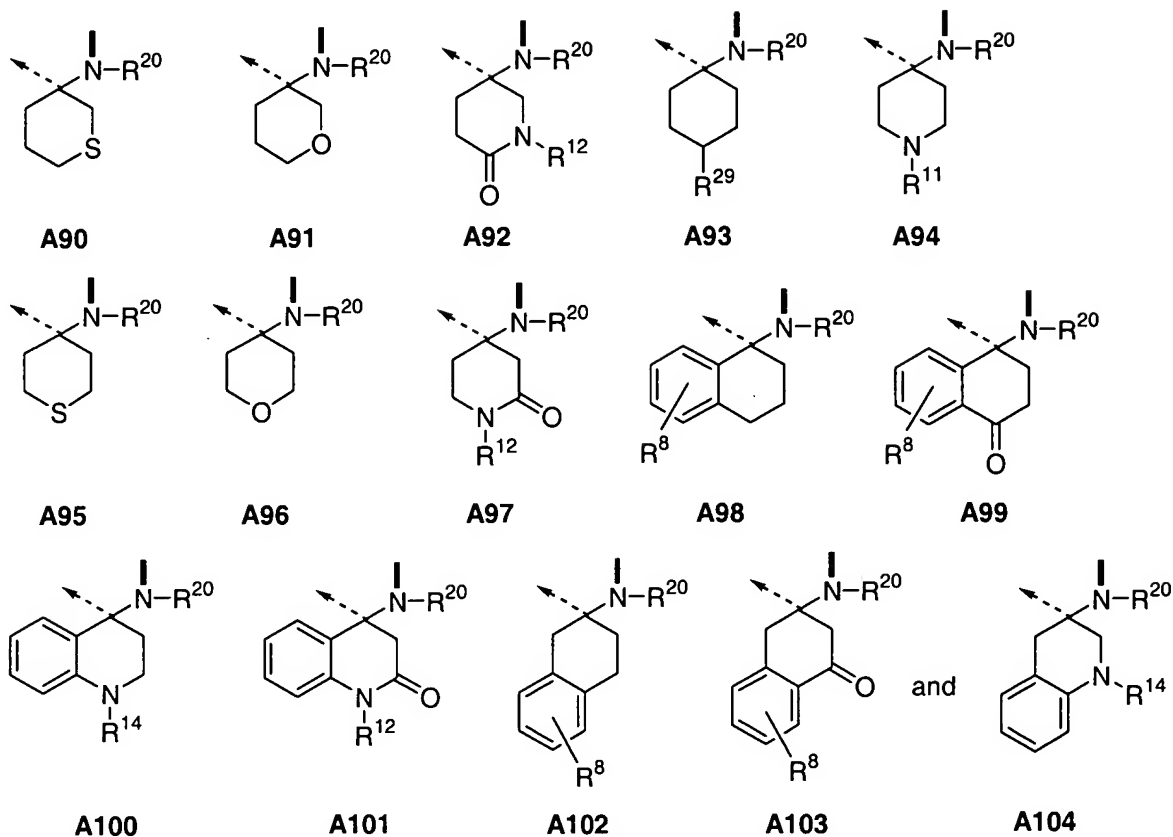
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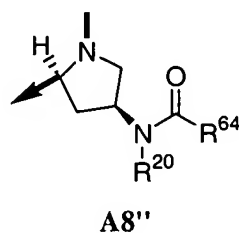
A88



A89



-B-CO- is Asn; Cys; Gln; His; Met; Phe; Pro; Ser; Thr; Trp; Tyr; Sar; 4AmPhe; 3AmPhe; 2AmPhe; Phe(mC(NH₂)=NH; Phe(pC(NH₂)=NH; Phe(mNHC (NH₂)=NH; Phe(pNHC (NH₂)=NH; Phg; Cha; C₄al; C₅al; 2-Nal; 1-Nal; 4Cl-Phe; 3Cl-Phe; 2Cl-Phe; 3,4Cl₂Phe; 4F-Phe; 3F-Phe; 2F-Phe; Tic; Thi; Tza; Mso; Y(Bzl); Bip; S(Bzl); T(Bzl); hCha; hCys; hSer; hPhe; Bpa; Pip; OctG; MePhe; MeNle; MeAla; MeIle; MeVal; or MeLeu; or B is a group, having (L)-configuration, of formula



wherein R^{20} is H; or lower alkyl; and R^{64} is alkyl; alkenyl; aryl; aryl-lower alkyl; or heteroaryl-lower alkyl;

R^1 is hydrogen or lower alkyl;

R^2 is H; lower alkyl; lower alkenyl; $-(CH_2)_mOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_mSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_mNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_mOCONR^{33}R^{75}$ (where R^{33} is H; lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are

$-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl);

$-(CH_2)_mNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl);

$-(CH_2)_oN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or

$-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or

$-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);

R^3 is H; lower alkyl; lower alkenyl; $-(CH_2)_mOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_mSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_mNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_mOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$;

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; where R^{57} is H; or lower alkyl); $-(CH_2)_mNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$;

$-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_oN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$;

$-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy).

R^4 is H; lower alkyl; lower alkenyl; $-(CH_2)_mOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_mSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_mNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$); $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_mOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6}$); $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_mNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$;

$-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_mN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$;

$-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is

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lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy).

R^5 is lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are

$-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$;

$-(CH_2)_2O(CH_2)_{2-}$;

$-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is alkyl; alkenyl; aryl; aryl-lower alkyl; or heteroaryl-lower alkyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl);

$-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy):

R^6 is H; lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$;

$-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken

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together are

$-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$;
 $-(CH_2)_2O(CH_2)_{2-}$;
 $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(CH_2)_oN(R^{20})COR^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$;
 $-(CH_2)_2S(CH_2)_{2-}$; or
 $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or
 $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy); R^7 is lower alkyl; lower alkenyl; $-(CH_2)_qOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);
 $-(CH_2)_qSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_qNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$;
 $-(CH_2)_2O(CH_2)_{2-}$;
 $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(CH_2)_qOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are
 $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_qNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$;
 $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_qN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl);
 $-(CH_2)_rCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_qCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are

$-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or
 $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl; $-(CH_2)_rPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_rSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or
 $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);
 R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}-$;
 $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl;
 $-(CH_2)_oCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$;
where R^{57} is H; or lower alkyl); $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}-$;
 $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_oN(R^{20})COR^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}-$;
 $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);
 R^9 is lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}-$;
 $-(CH_2)_2O(CH_2)_2-$;
 $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oCONR^{33}R^{75}$

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(where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are

$-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_mNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}-$;

$-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl);

$-(CH_2)_oN(R^{20})COR^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl);

$-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are

$-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or

$-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or

$-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);

R^{10} is lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);

$-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}-$;

$-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are

$-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} : H is or lower alkyl); $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}-$;

$-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl);

$-(CH_2)_oN(R^{20})COR^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl);

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$-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy); R^{11} is H; lower alkyl; lower alkenyl; $-(CH_2)_mOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_mSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_mNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_mOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_mNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_mN(R^{20})COR^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy); R^{12} is H; lower alkyl; lower alkenyl; $-(CH_2)_mOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_mSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_mNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl);

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$-(CH_2)_m OCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_m NR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$;
 $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_m N(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl);
 $-(CH_2)_r COOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_r CONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$;
 $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_r PO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_o SO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_q C_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy):
 R^{13} is lower alkyl; lower alkenyl; $-(CH_2)_q OR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);
 $-(CH_2)_q SR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_q NR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$;
 $-(CH_2)_2O(CH_2)_2$;
 $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_q OCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are
 $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$; $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_q NR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$;
 $-(CH_2)_2O(CH_2)_2$;
 $-(CH_2)_2S(CH_2)_2$; or $-(CH_2)_2NR^{57}(CH_2)_2$; where R^{57} is H; or lower alkyl); $-(CH_2)_q N(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_r COOR^{57}$ (where

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R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_qCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6-}$;
 $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_rPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_rSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);

R^{14} is H; lower alkyl; lower alkenyl; $-(CH_2)_mOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);
 $-(CH_2)_mSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_mNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6-}$;
 $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_mOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$;
where R^{57} is H; or lower alkyl); $-(CH_2)_mNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl is R^{82} : H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6-}$;

$-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_mN(R^{20})COR^{64}$ (where: R^{20} is H; lower alkyl; R^{64} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6-}$;

$-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);

R^{15} is lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6-}$;

$-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are

$-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}-$;

$-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oN(R^{20})COR^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-NR^{20}CO$ lower alkyl ($R^{20}=H$; or lower alkyl); being particularly favoured; $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl, or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl);

$-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);

R^{16} is lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);

$-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}-$;

$-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are

$-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}-$;

$-(CH_2)_2O(CH_2)_2-$;
 $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl; $-(CH_2)_oN(R^{20})COR^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; or lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$;
 $-(CH_2)_2S(CH_2)_2-$; or
 $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl; $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or
 $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy); and R^{17} is lower alkyl; lower alkenyl; $-(CH_2)_qOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);
 $-(CH_2)_qSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_qNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}-$;
 $-(CH_2)_2O(CH_2)_2-$;
 $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl; $-(CH_2)_qOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are
 $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_qNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}-$;
 $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_qN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl);
 $-(CH_2)_rCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_qCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are
 $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_rPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl);
 $-(CH_2)_rSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);
 R^{20} is H; or lower alkyl;

R¹⁸ is lower alkyl;

R¹⁹ is lower alkyl; lower alkenyl; $-(CH_2)_pOR^{55}$ (where R⁵⁵ is lower alkyl; or lower alkenyl); $-(CH_2)_pSR^{56}$ (where R⁵⁶ is lower alkyl; or lower alkenyl); $-(CH_2)_pNR^{33}R^{34}$ (where R³³ is lower alkyl; or lower alkenyl; R³⁴ is H; or lower alkyl; or R³³ and R³⁴ taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_2$;-;
 $-(CH_2)_2S(CH_2)_2$;-; or $-(CH_2)_2NR^{57}(CH_2)_2$;-; where R⁵⁷ is H; or lower alkyl); $-(CH_2)_pOCONR^{33}R^{75}$ (where R³³ is H; or lower alkyl; or lower alkenyl; R⁷⁵ is lower alkyl; or R³³ and R⁷⁵ taken together are $-(CH_2)_{2-6}$;-; $-(CH_2)_2O(CH_2)_2$;-; $-(CH_2)_2S(CH_2)_2$;-; or $-(CH_2)_2NR^{57}(CH_2)_2$;-; where R⁵⁷ is H; or lower alkyl); $-(CH_2)_pNR^{20}CONR^{33}R^{82}$ (where R²⁰ is H; or lower alkyl; R³³ is H; or lower alkyl; or lower alkenyl; R⁸² is H; or lower alkyl; or R³³ and R⁸² taken together are $-(CH_2)_{2-6}$;-; $-(CH_2)_2O(CH_2)_2$;-;
 $-(CH_2)_2S(CH_2)_2$;-; or $-(CH_2)_2NR^{57}(CH_2)_2$;-; where R⁵⁷ is H; or lower alkyl); $-(CH_2)_pN(R^{20})COR^{64}$ (where: R²⁰ is H; or lower alkyl; R⁶⁴ is lower alkyl; or lower alkenyl); $(CH_2)_pCOOR^{57}$ (where R⁵⁷: lower alkyl; or lower alkenyl); $(CH_2)_pCONR^{58}R^{59}$ (where R⁵⁸ is lower alkyl; or lower alkenyl; and R⁵⁹ is H; or lower alkyl; or R⁵⁸ and R⁵⁹ taken together are $-(CH_2)_{2-6}$;-; $-(CH_2)_2O(CH_2)_2$;-; $-(CH_2)_2S(CH_2)_2$;-; or $-(CH_2)_2NR^{57}(CH_2)_2$;-; where R⁵⁷ is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R⁶⁰ is lower alkyl; or lower alkenyl); $-(CH_2)_pSO_2R^{62}$ (where R⁶² is lower alkyl; or lower alkenyl); or $(CH_2)_oC_6H_4R^8$ (where R⁸ is H; F; Cl; CF₃; lower alkyl; lower alkenyl; or lower alkoxy);

R²¹ is H; lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R⁵⁵ is lower alkyl; or lower alkenyl); $-(CH_2)_oSR^{56}$ (where R⁵⁶ is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R³³ is lower alkyl; or lower alkenyl; R³⁴ is H; or lower alkyl; or R³³ and R³⁴ taken together are $-(CH_2)_{2-6}$;-; $-(CH_2)_2O(CH_2)_2$;-;
 $-(CH_2)_2S(CH_2)_2$;-; or $-(CH_2)_2NR^{57}(CH_2)_2$;-; where R⁵⁷ is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R³³ is H; or lower alkyl; or lower alkenyl; R⁷⁵ is lower alkyl; or R³³ and R⁷⁵ taken together are $-(CH_2)_{2-6}$;-; $-(CH_2)_2O(CH_2)_2$;-; $-(CH_2)_2S(CH_2)_2$;-; or $-(CH_2)_2NR^{57}(CH_2)_2$;-; where R⁵⁷ is H; or lower

alkyl);

$-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl, or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy); R^{22} is lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oN(R^{20})COR^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl, or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl);

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$-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF; lower alkyl; lower alkenyl; or lower alkoxy);

R^{23} is H; lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);

$-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$;

$-(CH_2)_2O(CH_2)_{2-}$;

$-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are

$-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}$;

$-(CH_2)_2O(CH_2)_{2-}$;

$-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-NR^{20}CO$ lower alkyl ($R^{20}=H$; or lower alkyl) being particularly favoured; $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl, or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl);

$-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF₃; lower alkyl; lower alkenyl; or lower alkoxy);

R^{24} is lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);

$-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}$;

$-(CH_2)_2O(CH_2)_{2-}$;

$-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken

together are

$-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6-}$;
 $-(CH_2)_2O(CH_2)_{2-}$;
 $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(CH_2)_oN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-NR^{20}CO$ lower alkyl ($R^{20}=H$; or lower alkyl) being particularly favoured; $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl, or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);
 R^{25} is H; lower alkyl; lower alkenyl; $-(CH_2)_mOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);
 $-(CH_2)_mNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_mOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$;
 $-(CH_2)_2S(CH_2)_{2-}$; or
 $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_mNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl); $-(CH_2)_mN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_{2-}$; $-(CH_2)_2S(CH_2)_{2-}$; or $-(CH_2)_2NR^{57}(CH_2)_{2-}$; where R^{57} is H; or lower alkyl);

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$-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);

R^{26} is H; lower alkyl; lower alkenyl; $-(CH_2)_mOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl); $-(CH_2)_mNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_mOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or

$-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_mNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_mN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl);

$-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl; or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6-}$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl);

$-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy); or, alternatively, R^{25} and R^{26} taken together are $-(CH_2)_{2-6-}$;

$-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{34}(CH_2)_2-$;

R^{27} is H; lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);

$-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6-}$;

$-(CH_2)_2O(CH_2)_2-$;

$-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oOCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken

together are

$-(\text{CH}_2)_{2-6}$; $-(\text{CH}_2)_2\text{O}(\text{CH}_2)_{2-}$; $-(\text{CH}_2)_2\text{S}(\text{CH}_2)_{2-}$; or $-(\text{CH}_2)_2\text{NR}^{57}(\text{CH}_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(\text{CH}_2)_o\text{NR}^{20}\text{CONR}^{33}\text{R}^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(\text{CH}_2)_{2-6}$;

$-(\text{CH}_2)_2\text{O}(\text{CH}_2)_{2-}$;

$-(\text{CH}_2)_2\text{S}(\text{CH}_2)_{2-}$; or $-(\text{CH}_2)_2\text{NR}^{57}(\text{CH}_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(\text{CH}_2)_o\text{N}(\text{R}^{20})\text{COR}^{64}$ (where R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl); $-(\text{CH}_2)_o\text{COOR}^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(\text{CH}_2)_o\text{CONR}^{58}\text{R}^{59}$ (where R^{58} is lower alkyl, or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(\text{CH}_2)_{2-6}$; $-(\text{CH}_2)_2\text{O}(\text{CH}_2)_{2-}$;

$-(\text{CH}_2)_2\text{S}(\text{CH}_2)_{2-}$; or

$-(\text{CH}_2)_2\text{NR}^{57}(\text{CH}_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(\text{CH}_2)_o\text{PO}(\text{OR}^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl); $-(\text{CH}_2)_o\text{SO}_2\text{R}^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or

$-(\text{CH}_2)_q\text{C}_6\text{H}_4\text{R}^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);

R^{28} is lower alkyl; lower alkenyl; $-(\text{CH}_2)_o\text{OR}^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);

$-(\text{CH}_2)_o\text{SR}^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(\text{CH}_2)_o\text{NR}^{33}\text{R}^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(\text{CH}_2)_{2-6}$;

$-(\text{CH}_2)_2\text{O}(\text{CH}_2)_{2-}$;

$-(\text{CH}_2)_2\text{S}(\text{CH}_2)_{2-}$; or $-(\text{CH}_2)_2\text{NR}^{57}(\text{CH}_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(\text{CH}_2)_o\text{OCONR}^{33}\text{R}^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are

$-(\text{CH}_2)_{2-6}$; $-(\text{CH}_2)_2\text{O}(\text{CH}_2)_{2-}$; $-(\text{CH}_2)_2\text{S}(\text{CH}_2)_{2-}$; or $-(\text{CH}_2)_2\text{NR}^{57}(\text{CH}_2)_{2-}$; where R^{57} is H; or lower alkyl; $-(\text{CH}_2)_o\text{NR}^{20}\text{CONR}^{33}\text{R}^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(\text{CH}_2)_{2-6}$;

$-(\text{CH}_2)_2\text{O}(\text{CH}_2)_{2-}$; $-(\text{CH}_2)_2\text{S}(\text{CH}_2)_{2-}$; or $-(\text{CH}_2)_2\text{NR}^{57}(\text{CH}_2)_{2-}$; where R^{57} is H; or lower alkyl;

$-(\text{CH}_2)_o\text{N}(\text{R}^{20})\text{COR}^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl);

$-(\text{CH}_2)_o\text{COOR}^{57}$ (where R^{57} is lower alkyl; or lower alkenyl); $-(\text{CH}_2)_o\text{CONR}^{58}\text{R}^{59}$ (where R^{58} is lower alkyl, or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are

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$-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl; $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy); and
 R^{29} is lower alkyl; lower alkenyl; $-(CH_2)_oOR^{55}$ (where R^{55} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oSR^{56}$ (where R^{56} is lower alkyl; or lower alkenyl); $-(CH_2)_oNR^{33}R^{34}$ (where R^{33} is lower alkyl; or lower alkenyl; R^{34} is H; or lower alkyl; or R^{33} and R^{34} taken together are $-(CH_2)_{2-6}-$;
 $-(CH_2)_2O(CH_2)_2-$;
 $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oCONR^{33}R^{75}$ (where R^{33} is H; or lower alkyl; or lower alkenyl; R^{75} is lower alkyl; or R^{33} and R^{75} taken together are
 $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oNR^{20}CONR^{33}R^{82}$ (where R^{20} is H; or lower alkyl; R^{33} is H; or lower alkyl; or lower alkenyl; R^{82} is H; or lower alkyl; or R^{33} and R^{82} taken together are $-(CH_2)_{2-6}-$;
 $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl);
 $-(CH_2)_oN(R^{20})COR^{64}$ (where: R^{20} is H; or lower alkyl; R^{64} is lower alkyl; or lower alkenyl);
 $-NR^{20}CO$ lower-alkyl ($R^{20}=H$; or lower alkyl) being particularly favoured; $-(CH_2)_oCOOR^{57}$ (where R^{57} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oCONR^{58}R^{59}$ (where R^{58} is lower alkyl, or lower alkenyl; and R^{59} is H; lower alkyl; or R^{58} and R^{59} taken together are $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$; where R^{57} is H; or lower alkyl); $-(CH_2)_oPO(OR^{60})_2$ (where R^{60} is lower alkyl; or lower alkenyl);
 $-(CH_2)_oSO_2R^{62}$ (where R^{62} is lower alkyl; or lower alkenyl); or $-(CH_2)_qC_6H_4R^8$ (where R^8 is H; F; Cl; CF_3 ; lower alkyl; lower alkenyl; or lower alkoxy);
Z and Z^1 are chains of n and, respectively, n' α -amino acid residues whereby either n is 4 and n' is 6 or n is 5 and n' is 7, the positions of said amino acid residues in said chain Z being counted starting from the N-terminal amino acid and the positions of said amino acid residues in said chain Z^1 being counted starting from the C-terminal amino acid, whereby these amino acid residues are, depending on their position in the chains, Gly, or Pro, or of one of the types

C: $-\text{NR}^{20}\text{CH}(\text{R}^{72})\text{CO}-$;

D: $-\text{NR}^{20}\text{CH}(\text{R}^{73})\text{CO}-$;

E: $-\text{NR}^{20}\text{CH}(\text{R}^{74})\text{CO}-$;

F: $-\text{NR}^{20}\text{CH}(\text{R}^{84})\text{CO}-$; and

H: $-\text{NR}^{20}-\text{CH}(\text{CO}-)-(\text{CH}_2)_{4-7}-\text{CH}(\text{CO}-)-\text{NR}^{20}-$;
 $-\text{NR}^{20}-\text{CH}(\text{CO}-)-(\text{CH}_2)_p\text{SS}(\text{CH}_2)_p-\text{CH}(\text{CO}-)-\text{NR}^{20}-$;
 $-\text{NR}^{20}-\text{CH}(\text{CO}-)-(-(\text{CH}_2)_p\text{NR}^{20}\text{CO}(\text{CH}_2)_p-\text{CH}(\text{CO}-)-\text{NR}^{20}-$;
 $-\text{NR}^{20}-\text{CH}(\text{CO}-)-(-(\text{CH}_2)_p\text{NR}^{20}\text{CONR}^{20}(\text{CH}_2)_p-\text{CH}(\text{CO}-)-\text{NR}^{20}-$; and

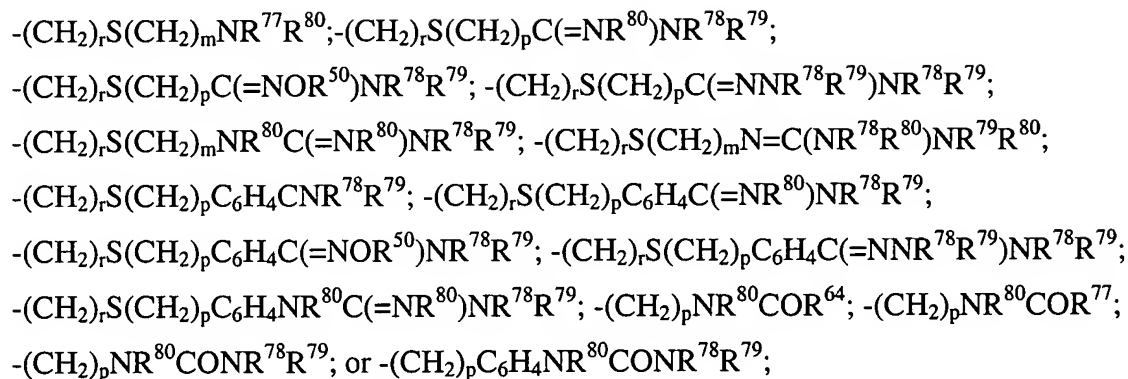
I: $-\text{NR}^{86}\text{CH}_2\text{CO}-$;

R^{71} is lower alkenyl; $-(\text{CH}_2)_p(\text{CHR}^{61})_s\text{OR}^{75}$; $-(\text{CH}_2)_p(\text{CHR}^{61})_s\text{SR}^{75}$;
 $-(\text{CH}_2)_p(\text{CHR}^{61})_s\text{OCONR}^{33}\text{R}^{75}$;
 $-(\text{CH}_2)_o(\text{CHR}^{61})_s\text{COOR}^{75}$; $-(\text{CH}_2)_p\text{CONR}^{58}\text{R}^{59}$; $-(\text{CH}_2)_p\text{PO}(\text{OR}^{62})_2$; $-(\text{CH}_2)_p\text{SO}_2\text{R}^{62}$; or
 $-(\text{CH}_2)_o-\text{C}_6\text{R}^{67}\text{R}^{68}\text{R}^{69}\text{R}^{70}\text{R}^{76}$;

R^{72} is H, lower alkyl; lower alkenyl; $-(\text{CH}_2)_p(\text{CHR}^{61})_s\text{OR}^{85}$; or $-(\text{CH}_2)_p(\text{CHR}^{61})_s\text{SR}^{85}$;

R^{73} is $-(\text{CH}_2)_o\text{R}^{77}$; $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_o\text{R}^{77}$; $-(\text{CH}_2)_r\text{S}(\text{CH}_2)_o\text{R}^{77}$; or $-(\text{CH}_2)_r\text{NR}^{20}(\text{CH}_2)_o\text{R}^{77}$;

R^{74} is $-(\text{CH}_2)_p\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_p\text{NR}^{77}\text{R}^{80}$; $-(\text{CH}_2)_p\text{C}(=\text{NR}^{80})\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_p\text{C}(=\text{NOR}^{50})\text{NR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_p\text{C}(=\text{NNR}^{78}\text{R}^{79})\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_p\text{NR}^{80}\text{C}(=\text{NR}^{80})\text{NR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_p\text{N}=\text{C}(\text{NR}^{78}\text{R}^{80})\text{NR}^{79}\text{R}^{80}$; $-(\text{CH}_2)_p\text{C}_6\text{H}_4\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_p\text{C}_6\text{H}_4\text{NR}^{77}\text{R}^{80}$;
 $-(\text{CH}_2)_p\text{C}_6\text{H}_4\text{C}(=\text{NR}^{80})\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_p\text{C}_6\text{H}_4\text{C}(=\text{NOR}^{50})\text{NR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_p\text{C}_6\text{H}_4\text{C}(=\text{NNR}^{78}\text{R}^{79})\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_p\text{C}_6\text{H}_4\text{NR}^{80}\text{C}(=\text{NR}^{80})\text{NR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_p\text{C}_6\text{H}_4\text{N}=\text{C}(\text{NR}^{78}\text{R}^{80})\text{NR}^{79}\text{R}^{80}$; $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_m\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_m\text{NR}^{77}\text{R}^{80}$;
 $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_p\text{C}(=\text{NR}^{80})\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_p\text{C}(=\text{NOR}^{50})\text{NR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_p\text{C}(=\text{NNR}^{78}\text{R}^{79})\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_m\text{NR}^{80}\text{C}(=\text{NR}^{80})\text{NR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_m\text{N}=\text{C}(\text{NR}^{78}\text{R}^{80})\text{NR}^{79}\text{R}^{80}$; $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_p\text{C}_6\text{H}_4\text{CNR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_p\text{C}_6\text{H}_4\text{C}(=\text{NR}^{80})\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_p\text{C}_6\text{H}_4\text{C}(=\text{NOR}^{50})\text{NR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_p\text{C}_6\text{H}_4\text{C}(=\text{NNR}^{78}\text{R}^{79})\text{NR}^{78}\text{R}^{79}$;
 $-(\text{CH}_2)_r\text{O}(\text{CH}_2)_p\text{C}_6\text{H}_4\text{NR}^{80}\text{C}(=\text{NR}^{80})\text{NR}^{78}\text{R}^{79}$; $-(\text{CH}_2)_r\text{S}(\text{CH}_2)_m\text{NR}^{78}\text{R}^{79}$;



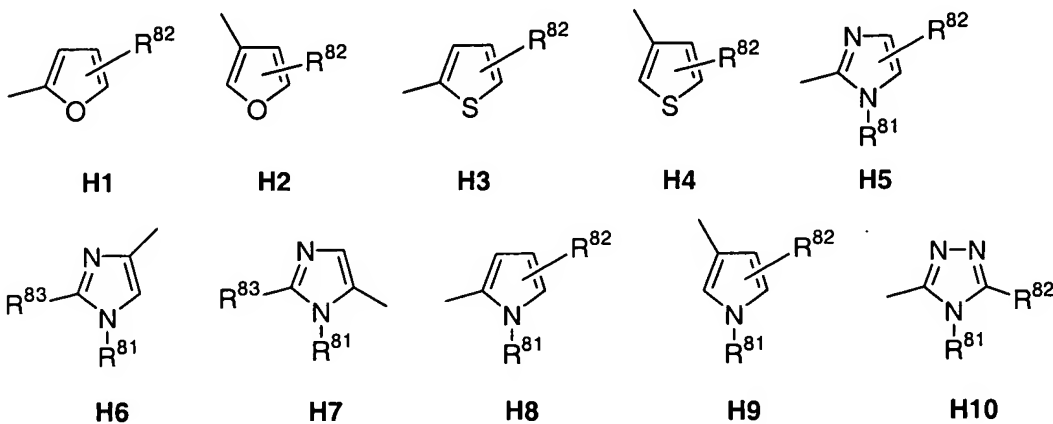
R^{75} is lower alkyl; lower alkenyl; or aryl-lower alkyl;

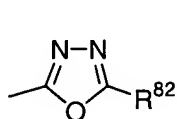
R^{33} and R^{75} taken together can form: $-(\text{CH}_2)_{2-6}-$; $-(\text{CH}_2)_2\text{O}(\text{CH}_2)_2-$; $-(\text{CH}_2)_2\text{S}(\text{CH}_2)_2-$; or $-(\text{CH}_2)_2\text{NR}^{57}(\text{CH}_2)_2-$;

R^{75} and R^{82} taken together can form: $-(\text{CH}_2)_{2-6}-$; $-(\text{CH}_2)_2\text{O}(\text{CH}_2)_2-$; $-(\text{CH}_2)_2\text{S}(\text{CH}_2)_2-$; or $-(\text{CH}_2)_2\text{NR}^{57}(\text{CH}_2)_2-$;

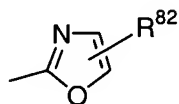
R^{76} is H; lower alkyl; lower alkenyl; aryl-lower alkyl; $-(\text{CH}_2)_o\text{OR}^{72}$; $-(\text{CH}_2)_o\text{SR}^{72}$; $-(\text{CH}_2)_o\text{NR}^{33}\text{R}^{34}$; $-(\text{CH}_2)_o\text{OCONR}^{33}\text{R}^{75}$; $-(\text{CH}_2)_o\text{NR}^{20}\text{CONR}^{33}\text{R}^{82}$; $-(\text{CH}_2)_o\text{COOR}^{75}$; $-(\text{CH}_2)_o\text{CONR}^{58}\text{R}^{59}$; $-(\text{CH}_2)_o\text{PO}(\text{OR}^{60})_2$; $-(\text{CH}_2)_p\text{SO}_2\text{R}^{62}$; or $-(\text{CH}_2)_o\text{COR}^{64}$;

R^{77} is $-\text{C}_6\text{R}^{67}\text{R}^{68}\text{R}^{69}\text{R}^{70}\text{R}^{76}$; or a heteroaryl group of one of the formulae

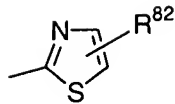




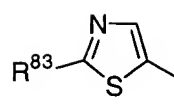
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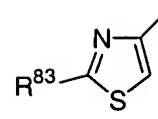
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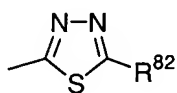
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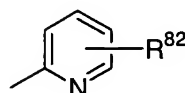
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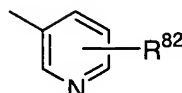
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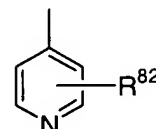
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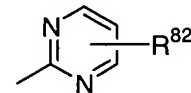
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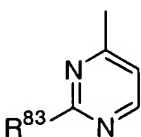
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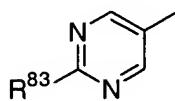
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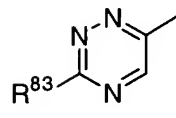
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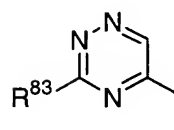
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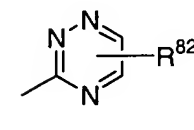
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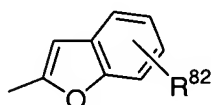
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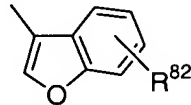
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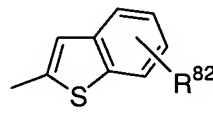
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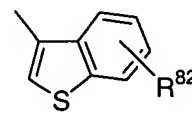
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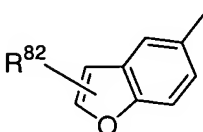
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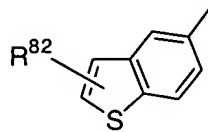
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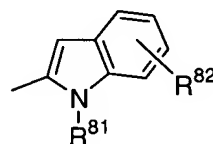
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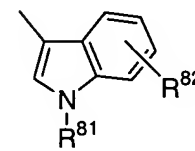
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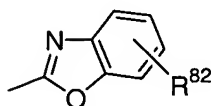
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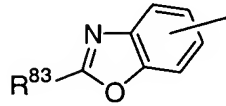
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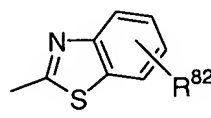
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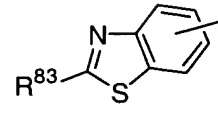
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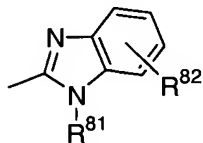
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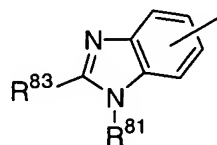
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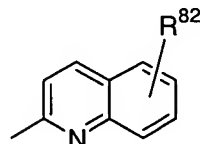
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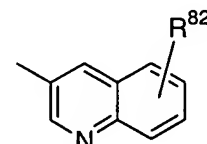
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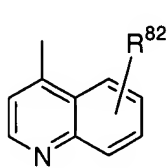
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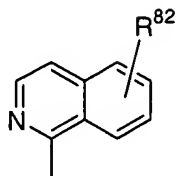
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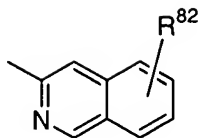
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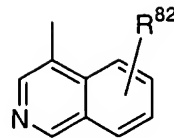
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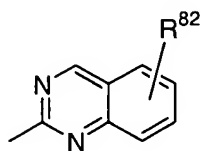
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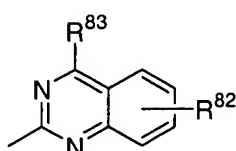
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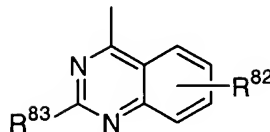
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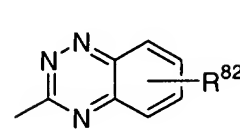
H46



H47



H48



H49

R^{78} is H; lower alkyl; aryl; or aryl-lower alkyl;

R^{78} and R^{82} taken together can form: $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$;

R^{79} is H; lower alkyl; aryl; or aryl-lower alkyl; or

R^{78} and R^{79} , taken together, can be $-(CH_2)_{2-7}-$; $-(CH_2)_2O(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$;

R^{80} is H; or lower alkyl;

R^{81} is H; lower alkyl; or aryl-lower alkyl;

R^{82} is H; lower alkyl; aryl; heteroaryl; or aryl-lower alkyl;

R^{33} and R^{82} taken together can form: $-(CH_2)_{2-6}-$; $-(CH_2)_2O(CH_2)_2-$; $-(CH_2)_2S(CH_2)_2-$; or $-(CH_2)_2NR^{57}(CH_2)_2-$;

R^{83} is H; lower alkyl; aryl; or $-NR^{78}R^{79}$;

R^{84} is $-(CH_2)_pCONR^{78}R^{79}$; $-(CH_2)_pNR^{80}CONR^{78}R^{79}$; $-(CH_2)_pC_6H_4CONR^{78}R^{79}$; or $-(CH_2)_pC_6H_4NR^{80}CONR^{78}R^{79}$;

R^{85} is lower alkyl; or lower alkenyl;

R^{86} is R^{74} ; $-[(CH_2)_u-X]_t-(CH_2)_vNR^{78}R^{79}$; $-[(CH_2)_u-X]_t-(CH_2)_v-C(=NR^{80})NR^{78}R^{79}$; X is $-O-$, $-NR^{20}-$, $-S-$, $-OCOO-$, u is 1-3, t is 1-6, v is 1-3;

with the proviso that in said chains Z and Z¹ of n and , respectively, n' α -amino acid residues

- if n is 4 and n' is 6, the amino acid residues in positions 1 to 4 of Z and in positions 1' to 6' of Z¹ are:

- P1: of type C or of type D or of type E or of type F, or the residue is Pro;
- P2: of type E or of type F;
- P3: of type F, or the residue is Pro;
- P4: of type E;

- P1': of type C or of type D or of type E or of type F, or the residue is Gly;
- P2': of type D or of type C;
- P3': of type F or the residue is Pro;
- P4': of type D or of type C;
- P5': of type E, or of type F or the residue is Pro; and
- P6': of type E or of type F, or the residue is Pro; or

- P3 and P3', taken together, can form a group of type H;

and

- if n is 5 and n' is 7, the amino acid residues in positions 1 to 5 of Z and in positions 1' to 7' of Z¹ are:

- P1: of type C or of type D or of type E or of type F, or the residue is Pro;
- P2: of type E or of type F;
- P3: of type F, or the residue is Pro;
- P4: of type F;
- P5: of type E

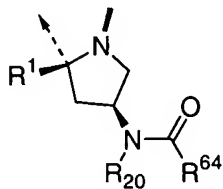
- P1': of type C or of type D or of type E or of type F, or the residue is Pro;
 - P2': of type F;
 - P3': of type D or the residue is Pro;
 - P4': of type E or of type F;
 - P5': of type D, or the residue is Pro;
 - P6': of type E or of type F, or the residue is Pro; and
 - P7': of type E or of type I, or the residue is Gly; or
- P2 and P2' and/or P4 and P4', taken together, can form a group of type H;

at P7' also D-isomers being possible,

and pharmaceutically acceptable salts thereof.

41. (new) Compounds according to claim 40, wherein A is a group of one of the formulae A5 (with R² being H); A8; A22; A25; A38 (with R² being H); A42; and A50.

42. (new) Compounds according to claim 41, wherein A is a group of formula



A8'

wherein R²⁰ is H or lower alkyl; and R⁶⁴ is alkyl; alkenyl; aryl; aryl-lower alkyl; or heteroaryl-lower alkyl.

43. (new) Compounds according to claim 42, wherein R^{64} is n-hexyl; n-heptyl; 4-(phenyl)benzyl; diphenylmethyl, 3-amino-propyl; 5-amino-pentyl; methyl; ethyl; isopropyl; isobutyl; n-propyl; cyclohexyl; cyclohexylmethyl; n-butyl; phenyl; benzyl; (3-indolyl)methyl; 2-(3-indolyl)ethyl; (4-phenyl)phenyl; or n-nonyl.
44. (new) Compounds according to claim 40, wherein R^{23} , R^{24} and R^{29} are $-NR^{20}-CO-$ lower alkyl where R^{20} is H; or lower alkyl.
45. (new) Compounds according to claim 40, wherein A is a group of one of the formulae A74 (with R^{22} being H); a75; A76; A77 (with R^{22} being H); A78; and A79.
46. (new) Compounds according to claim 44, wherein A is a group, of one of the formulae A74 (with R^{22} being H); a75; A76; A77 (with R^{22} being H); A78; and A79.
47. (new) Compounds according to claim 40, wherein B is a group, having (L)-configuration, of formula A8" as shown in claim 1 in which R^{64} is n-hexyl; n-heptyl; 4-(phenyl)benzyl; diphenylmethyl, 3-amino-propyl; 5-amino-pentyl; methyl; ethyl; isopropyl; isobutyl; n-propyl; cyclohexyl; cyclohexylmethyl; n-butyl; phenyl; benzyl; (3-indolyl)methyl; 2-(3-indolyl)ethyl; (4-phenyl)phenyl; or n-nonyl.
48. (new) Compounds according to claim 40, wherein n is 4, n' is 6 and the α -amino acid residues in positions 1 to 4 of the chain Z and 1'-6' in chain Z¹ are:
- P1: of type D or of type E or of type F, or the residue is Pro;
 - P2: of type E or of type F;
 - P3: of type F, or the residue is Pro;
 - P4: of type E;

 - P1': of type E or of type F, or the residue is Gly;

- P2': of type D;
- P3': of type F or the residue is Pro;
- P4': of type D;
- P5': of type E, or of type F or the residue is Pro; and
- P6': of type E or of type F, or the residue is Pro; or
- P3 and P3', taken together, can form a group of type H

49. (new) Compounds according to claim 40, wherein n is 5, n' is 7 and the α -amino acid residues in positions 1 to 5 of the chain Z and 1'-7' in chain Z¹ are:

- P1: of type D or of type E or of type F, or the residue is Pro;
 - P2: of type E or of type F;
 - P3: of type F, or the residue is Pro;
 - P4: of type F;
 - P5: of type E

 - P1': of type D or of type E or of type F, or the residue is Pro;
 - P2': of type F;
 - P3': of type D or the residue is Pro;
 - P4': of type F;
 - P5': of type D, or the residue is Pro;
 - P6': of type E or of type F, or the residue is Pro; and
 - P7': of type E or of type I, or the residue is Gly; or
 - P2 and P2' and/or P4 and P4', taken together, can form a group of type H;
- at P7' also D-isomers being possible.

50. (new) Compounds according to claim 48, wherein the α -amino acid residues in positions 1 to 4 of the chain Z and the α -amino acid residues in positions 1' to 6' chain Z¹ are:

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- P1: Tyr, or Arg;
- P2: Cit, or Arg;
- P3: Cys;
- P4: Arg-NH₂;
- P1': Lys, or Arg;
- P2': Tyr;
- P3': Cys;
- P4': 2-Nal;
- P5': Arg;
- P6': Arg; and

Cys at P3 and P3' can form a disulfide bridge.

51. (new) Compounds according to claim 49, wherein the α -amino acid residues in positions 1 to 5 of the chain Z and the α -amino acid residues in positions 1' to 7' chain Z¹ are:

- P1: Tyr;
- P2: Arg;
- P3: Cit;
- P4: Cys;
- P5: Arg, or Arg-NH₂;
- P1': Lys;
- P2': Cit;
- P3': Tyr;
- P4': Cys;
- P5': 2-Nal, Trp, F(pNH₂), or W(6-Cl);
- P6': Arg;
- P7': ^DArg, Arg, Ac-Arg, iPr-Arg, (EA)G, (PrA)G, (BA)G, (EGU)G, (PrGU)G,

or

(BGU)G; and

Cys at P4 and P4' can form a disulfide bridge.

52. (new) A compound of formula I according to claim 40, wherein the template is ^DPro-^LPro, n is 5, n' is 7 and the amino acid residues in positions 1 to 5 of the chain Z and the amino acid residues in positions 1' to 7' chain Z¹ are:

- P1: Tyr;
- P2: Arg;
- P3: Cit;
- P4: Cys;
- P5: Arg-NH₂;
- P1': Lys;
- P2': Cit;
- P3': Tyr;
- P4': Cys;
- P5': 2-Nal;
- P6': Arg; and
- P7': Arg;

Cys at P4' and P4 forming a disulfide bridge.

53. A compound of formula I according to claim 40, wherein the template is ^DPro-^LPro, n is 5, n' is 7 and the amino acid residues in positions 1 to 5 of the chain Z and the amino acid residues in positions 1' to 7' chain Z¹ are:

- P1: Tyr;
- P2: Arg;
- P3: Cit;
- P4: Cys;
- P5: Arg-NH₂;
- P1': Lys;

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- P2': Cit;
- P3': Tyr;
- P4': Cys;
- P5': 2-Nal;
- P6': Arg; and
- P7': Ac-Arg;

Cys at P4' and P4 forming a disulfide bridge.

54. (new) A compound of formula I according to claim 40, wherein the template is ^DPro-^LPro, n is 5, n' is 7 and the amino acid residues in positions 1 to 5 of the chain Z and the amino acid residues in positions 1' to 7' chain Z¹ are:

- P1: Tyr;
- P2: Arg;
- P3: Cit;
- P4: Cys;
- P5: Arg-NH₂;
- P1': Lys;
- P2': Cit;
- P3': Tyr;
- P4': Cys;
- P5': 2-Nal
- P6': Arg; and
- P7': ^DArg;

Cys at P4' and P4 forming a disulfide bridge.

55. (new) A compound of formula I according to claim 40, wherein the template is ^DPro-^LPro, n is 5, n' is 7 and the amino acid residues in positions 1 to 5 of the chain Z and the amino acid residues in positions 1' to 7' chain Z¹ are:

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- P1: Tyr;
- P2: Arg;
- P3: Cit;
- P4: Cys;
- P5: Arg-NH₂;
- P1': Lys;
- P2': Cit;
- P3': Tyr;
- P4': Cys;
- P5': Phe(pNH₂);
- P6': Arg; and
- P7': Arg;

Cys at P4' and P4 forming a disulfide bridge.

56. (new) A compound of formula I according to claim 40, wherein the template is ^DPro-^LPro, n is 5, n' is 7 and the amino acid residues in positions 1 to 5 of the chain Z and the amino acid residues in positions 1' to 7' chain Z¹ are:

- P1: Tyr;
- P2: Arg;
- P3: Cit;
- P4: Cys;
- P5: Arg-NH₂;
- P1': Lys;
- P2': Cit;
- P3': Tyr;
- P4': Cys;
- P5': 2-Nal;
- P6': Arg; and

- P7': (PrA)G;
Cys at P4' and P4 forming a disulfide bridge.

57. (new) A compound of formula I according to claim 40, wherein the template is ^DPro-^LPro, n is 5, n' is 7 and the amino acid residues in positions 1 to 5 of the chain Z and the amino acid residues in positions 1' to 7' chain Z¹ are:

- P1: Tyr;
- P2: Arg;
- P3: Cit;
- P4: Cys;
- P5: Arg;
- P1': Lys;
- P2': Cit;
- P3': Tyr;
- P4': Cys;
- P5': 2-Nal;
- P6': Arg; and
P7': Arg;
Cys at P4' and P4 forming a disulfide bridge.

58. (new) Enantiomers of the compounds of formulae I as defined in claim 40.

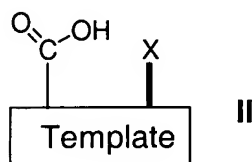
59. (new) Compounds according to claim 40, for use as therapeutically active substances.

60. (new) Compounds according to claim 59, for use as CXCR4 antagonists.

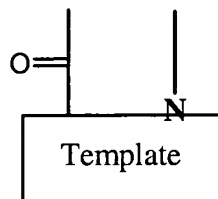
61. (new) A pharmaceutical composition containing a compound according claim 40 and a pharmaceutically inert carrier.

62. (new) Compositions according to claim 61 in a form suitable for a mode of administration selected from the group consisting of oral, topical, transdermal, injection, buccal, transmucosal, pulmonary and inhalation.
63. (new) Compositions according to claim 61 in a form selected from the group consisting of tablets, dragees, capsules, solutions, liquids, gels, plaster, creams, ointments, syrup, slurries, suspensions, spray, nebuliser or suppositories.
64. (new) Compositions according to claim 62 in form selected from the group consisting of tablets, dragees, capsules, solutions, liquids, gels, plaster, creams, ointments, syrup, slurries, suspensions, spray, nebuliser or suppositories.
65. (new) A method for treating and/or preventing a disorder selected from the group consisting of HIV infections, cancer and inflammatory disorders, the method comprising:
administering to a subject in need thereof a compound according to claim 40.
66. (new) A process for the manufacture of compounds according to any one of claim 40, which process comprises
- (a) coupling an appropriately functionalized solid support with an appropriately N-protected derivative of that amino acid which in the desired end-product is in position 4 of Z if n is 4 or in position 5 of Z if n is 5, any functional group which may be present in said N-protected amino acid derivative being likewise appropriately protected;
 - (b) removing the N-protecting group from the product thus obtained;
 - (c) coupling the product thus obtained with an appropriately N-protected derivative of that amino acid which in Z of the desired end-product is one position nearer the N-terminal amino acid residue, any functional group which may be present in said N-protected amino acid derivative being likewise appropriately protected;

- (d) removing the N-protecting group from the product thus obtained;
- (e) repeating steps (c) and (d) until the N-terminal amino acid residue of Z has been introduced;
- (f) coupling the product thus obtained with a compound of the general formula



wherein



is as defined in claim 1 and X is an N-protecting group; or, alternatively,

- (fa) coupling the product obtained in step (e) with an appropriately N-protected derivative of an amino acid of the general formula



wherein B and A are as defined in claim 1, any functional group which may be present in said N-protected amino acid derivative being likewise appropriately protected;

- (fb) removing the N-protecting group from the product thus obtained; and
- (fc) coupling the product thus obtained with an appropriately N-protected derivative of an amino acid of the above general formula IV and, respectively, III, any functional group which may be present in said N-protected amino acid derivative being likewise appropriately protected;
- (g) removing the N-protecting group from the product obtained in step (f) or (fc);

- (h) coupling the product thus obtained with an appropriately N-protected derivative of that amino acid which in the desired end-product is in position 1 of Z^1 , any functional group which may be present in said N-protected amino acid derivative being likewise appropriately protected;
- (i) removing the N-protecting group from the product thus obtained;
- (j) coupling the product thus obtained with an appropriately N-protected derivative of that amino acid which in the desired end-product is one position farther away from position 1 of Z^1 , any functional group which may be present in said N-protected amino acid derivative being likewise appropriately protected;
- (k) removing the N-protecting group from the product thus obtained;
- (l) repeating steps (j) and (k) until all amino acid residues of Z^1 have been introduced;
- (m) if desired, selectively deprotecting one or several protected functional group(s) present in the molecule and appropriately substituting the reactive group(s) thus liberated;
- (n) if desired, forming one or two interstrand linkage(s) between side-chains of appropriate amino acid residues at opposite positions of the β -strand region;
- (o) detaching the product thus obtained from the solid support and removing any protecting groups present on functional groups of any members of the chain of amino acid residues and, if desired, any protecting group(s) which may in addition be present in the molecule; and
- (p) if desired, converting the product thus obtained into a pharmaceutically acceptable salt or converting a pharmaceutically acceptable, or unacceptable, salt thus obtained into the corresponding free compound of formula I or into a different, pharmaceutically acceptable, salt..

67. (new) A process according to claim 66, but wherein an amino acid residue of type I is introduced by coupling with a leaving group-containing acetylating agent, followed by nucleophilic displacement with an amine of the formula H_2NR^{86} which, if necessary, is appropriately protected.

68. (new) A process according to claim 67, wherein the leaving group in said leaving group-containing acetylating agent is bromo, chloro or iodo acetic acid.

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69. (new) A modification of the process according to claim 66 for the manufacture of compounds according to claim 56 in which enantiomers of all chiral starting materials are used.

70. (new) A modification of the process according to claim 67 for the manufacture of compounds according to claim 56 in which enantiomers of all chiral starting materials are used.